

# Converting Colors

$Yxy(74.8719, 0.3104, 0.3251)$

Have a look what the booklet for  
Yxy(74.8719, 0.3104, 0.3251)  
contains.

<b>Yxy(74.7600, 0.3101, 0.3247)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.7600, 0.3101, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E0E4
RGB	224, 224, 228
RGB Percent	88%, 88%, 89%
CMY	0.1216, 0.1215, 0.1058
CMYK	0.02, 0.02, 0.00, 0.11
HSL	240°, 7%, 89%
HSV	240°, 2%, 89%
XYZ	71.3984, 74.7600, 84.0849
YIQ	224.4560, -1.2840, 1.2440

# Conversions

## Conversions Part 2

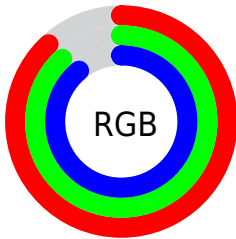
Format	Color
<a href="#">RYB</a>	<a href="#">224, 224, 228</a>
Decimal	<a href="#">14737636</a>
CIELab	<a href="#">89.28, 0.73, -1.97</a>
CIElCh	<a href="#">89, 2.103, 290.183</a>
Yxy	<a href="#">74.7600, 0.3101, 0.3247</a>
Android (android.graphics.Color)	<a href="#">4292927716</a> ( <a href="#">0xFFE0E0E4</a> )
YUV	<a href="#">224.4560, 1.7472, -0.3999</a>
Hunter-Lab	<a href="#">86.4639, -3.9135, 2.8660</a>

# Details

The Yxy color **74.7600, 0.3101, 0.3247** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.3681, 0.3153, 0.3333**, and the grayscale version is **74.8736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.8281, 0.3094, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **59.9788, 0.2941, 0.2984**, and if you desaturate by 10%, it is **91.6600, 0.3240, 0.3476**.

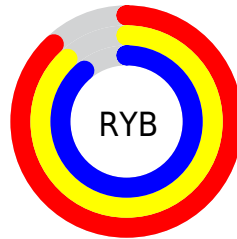
# Distribution



Red (88%)

Green (88%)

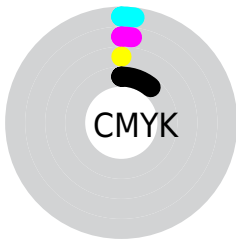
Blue (89%)



Red (88%)

Yellow (88%)

Blue (89%)

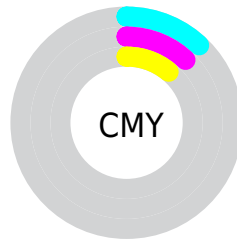


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (12%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7600, 0.3101, 0.3247 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 74.7600, 0.3101, 0.3247 by changing the saturation by 10% instead.



■ 74.7600, 0.3101,  
0.3247

■ 74.7600, 0.3101,  
0.3247

477.0923, 0.3113,  
0.3267

■ 55.4163, 0.3098,  
0.3242

125.9726, 0.3105,  
0.3254

■ 39.7351, 0.3095,  
0.3237

158.6102, 0.3107,  
0.3257

■ 27.3321, 0.3091,  
0.3230

196.4480, 0.3108,  
0.3259

■ 17.8228, 0.3085,  
0.3221

239.8703, 0.3109,  
0.3261

■ 10.8228, 0.3077,  
0.3208

289.2614, 0.3111,  
0.3263

■ 5.9478, 0.3066,  
0.3190

345.0059, 0.3111,

■ 2.8134, 0.3049,

0.3264

0.3162

407.4880, 0.3112,  
0.3266

■ 1.0351, 0.3018,  
0.3112

■ 0.0000, 0.0000,  
0.0000

■ 74.7600, 0.3101,  
0.3247

■ 74.7600, 0.3101,  
0.3247

■ 59.9788, 0.2941,  
0.2984

■ 91.6600, 0.3240,  
0.3476

■ 47.2238, 0.2761,  
0.2688

■ 98.3830, 0.3285,  
0.3552

■ 36.4097, 0.2562,  
0.2360

■ 27.4413, 0.2349,  
0.2010

■ 20.2157, 0.2134,  
0.1654

■ 14.6195, 0.1929,  
0.1315

■ 10.5263, 0.1752,  
0.1021

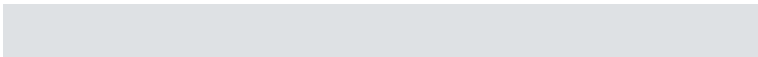
■ 7.7911, 0.1617,  
0.0798

■ 6.2401, 0.1535,  
0.0659

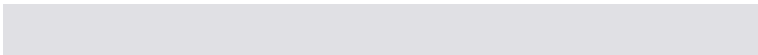
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7600, 0.3084, 0.3252



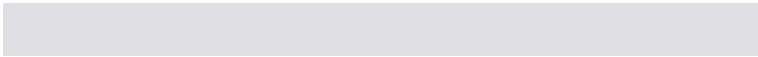
74.7600, 0.3101, 0.3247



74.7600, 0.3125, 0.3253

# Triad

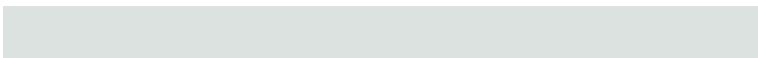
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7600, 0.3101, 0.3247



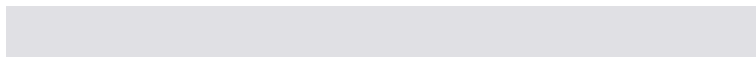
74.7600, 0.3176, 0.3312



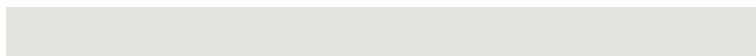
74.7600, 0.3104, 0.3311

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.7600, 0.3101, 0.3247



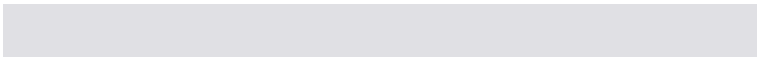
77.3681, 0.3153, 0.3333

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7600, 0.3129, 0.3328



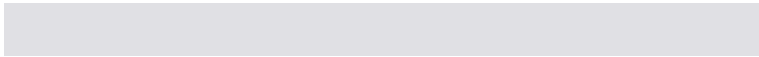
74.7600, 0.3101, 0.3247



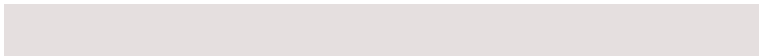
74.7600, 0.3171, 0.3328

# Square

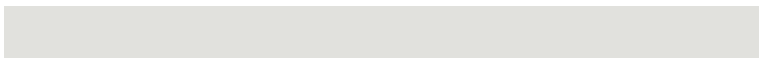
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



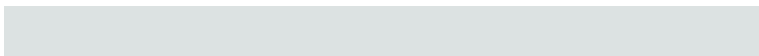
74.7600, 0.3101, 0.3247



74.7600, 0.3169, 0.3291



74.7600, 0.3153, 0.3334

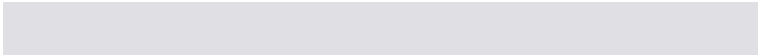


74.7600, 0.3086, 0.3289



# Rectangle

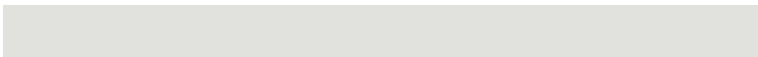
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7600, 0.3101, 0.3247



74.7600, 0.3142, 0.3263



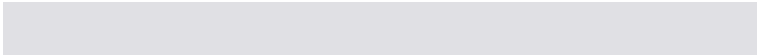
74.7600, 0.3153, 0.3334



74.7600, 0.3112, 0.3318

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.7632, 0.3101, 0.3247



97.9130, 0.3112, 0.3266



76.9459, 0.3100, 0.3291



20.9794, 0.3113, 0.3267



0.0000, 0.0000, 0.0000

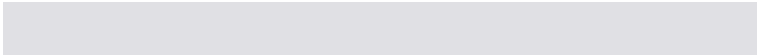


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7632, 0.3101, 0.3247



95.8537, 0.3097, 0.3241



75.0642, 0.3115, 0.3247



16.3988, 0.3099, 0.3244



3.2579, 0.1501, 0.0604



0.2457, 0.1504, 0.0615



# Inverse Universe

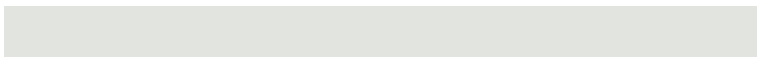
The Inverse Universe completely reimagines the original color for something new.



75.1832, 0.3155, 0.3290



96.4669, 0.3159, 0.3290



77.0635, 0.3140, 0.3333



16.4972, 0.3157, 0.3290



9.5266, 0.6394, 0.3296

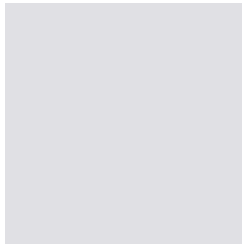


0.7045, 0.6375, 0.3286



# Previews

## White Background



This preview shows how the Yxy color 74.7600, 0.3101, 0.3247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

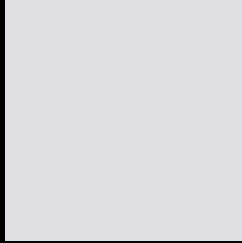
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7600, 0.3101, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

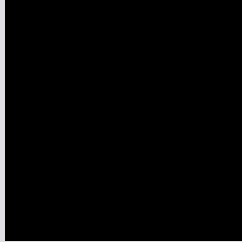
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

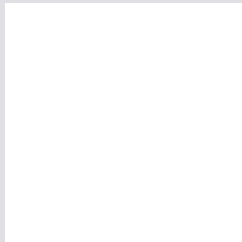
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7600, 0.3101, 0.3247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7600, 0.3101, 0.3247.

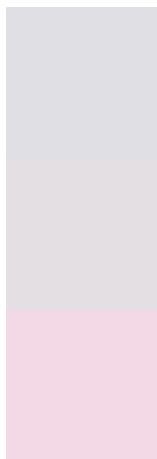


This preview shows how white text looks on a background with the Yxy color 74.7600, 0.3101, 0.3247.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.7600, 0.3101, 0.3247

### Protanopia

74.6523, 0.3129, 0.3248

### Deuteranopia

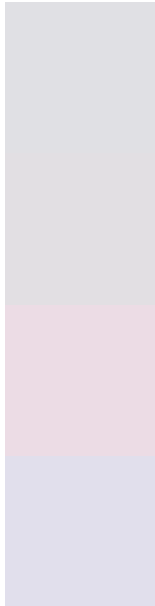
74.3375, 0.3234, 0.3167



## Tritanopia

74.7026, 0.3039, 0.3101

# Trichromacy



## Original Color

74.7600, 0.3101, 0.3247

## Protanomaly

74.4902, 0.3122, 0.3247

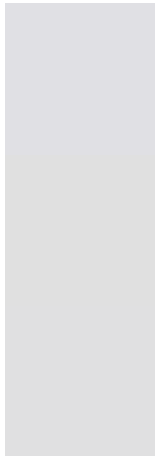
## Deuteranomaly

74.6764, 0.3181, 0.3196

## Tritanomaly

74.8390, 0.3057, 0.3153

# Monochromacy



## Original Color

74.7600, 0.3101, 0.3247

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.5948, 0.3121, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7600, 0.3101, 0.3247 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7600, 0.3101, 0.3247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 224, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 224, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7600, 0.3101, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 224, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
224, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor